Exhibit I - Functional Requirements – MLDP Application

Req#	Requirement	Description	Intend to Include (Y or N)	Alternative Offered
1	The system shall provide Customers with the ability to register for an online account using a valid email address so that they can begin using the system.	Data to be collected shall include: Name, Mailing Address, Phone – home, business, cell, ranch, other, fax, email, property name, county, acreage, property address/location, agent name, agent mailing address, agent phones, agent email, notes. The Customer shall have to confirm the account creation from an email sent by the system to the email address entered.		
2	The system shall provide Customers with the option of indicating that they intend to be a Designated Agent, and require them to enter contact details (mailing, phones, email) so that Landowners can pick them in TWIMS when authorizing them as their Agent.			
3	The system shall provide users with the ability to sign in to the system using their account credentials so that they can securely access the functions and information offered by the system.			
4	The system shall provide Customers (Non-TPWD Users), the ability to reset their password for their online account so that they can reset access if they have forgotten their password – email a link or	TPWD users must reset their network password using other password tools that changes the network password.		

	ask security questions – should act differently if signed in vs not signed in.	The password will automatically expire after 90 days and the customers should be prompted to enter a new one on the next sign in.		
5	The system shall provide the ability for users to sign out of the system so they can be assured that their session has ended and no one else can access their profile or data.	Need an automatic sign out in case the user has left the screen unattended for 15 minutes.		
6	The system shall allow the System Admin, to set up an authorized account for a TPWD employee so that the user can begin using the system with the correct role(s): Staff type, name, title, region, district, phone – home, mobile, business, email 1, email 2, mailing address, manager name – multiple, current employee flag This requires Search functionality also.	TPWD employees use their network ID and password to access the system. LDAP is supported via the TPWD SEC database and API.		
7	The system shall allow the System Admin to edit user account details on a users' behalf so that they can make necessary updates or deactivate/reactivate an account: Staff type, name, company name, title, SSN, DL number, DL state, DOB, hunting license number, region, district, phone – home, mobile, business, ranch, fax, email 1, email 2, address, country, other address, manager name – multiple, current employee flag This requires Search functionality also.			
8	The system shall provide a Homepage in TWIMS where Customers will see any relevant functions, links, and options available to their role(s) so that they can easily			

	get to information and capabilities that they need.		
9	The system shall provide Landowners with functionality for all of their Properties in TWIMS so that they can easily get to information and capabilities that they need for each Property.		
10	The system shall provide Landowners with functionality to review all MLDP Enrollments (HO and CO) on their Properties so that they can easily access their details and manage related information, such as harvest/treatments reporting and deer survey/density details (Conservation Option only).		
11	The system shall provide Agents functionality to view and edit all of the 'pooled properties' they manage so that they can easily get to information and capabilities that they need for each Pooled Property.		
12	The system shall provide TPWD users a Homepage in TWIMS where they will see any relevant widgets, links, and options available to them so that they can easily get to information and capabilities that they need.		
13	The system shall provide TPWD Biologists with functionality that shows Requests for Technical Assistance (RTAs) in their County that are pending assignment to a Biologist so that they can accept them and contact the Landowner to provide technical assistance.		
14	The system shall provide Landowners with functionality to authorize a TWIMS account-holder as an Agent for their Property so that the Agent can have access to and perform the relevant functions in TWIMS on their behalf.		
15	The system shall provide	Property name, type,		

	Landowners with the ability to add their Property to TWIMS with basic Property details, and certify that they are the owner of said Property so that they can have options to Authorize an Agent, enroll in the self-serve Harvest Option, and/or Request Technical Assistance/enroll in the Conservation Option, or apply for Permits on their Property.	WMP Status, Plan Biologist, Date WMP written, description, acreage, high fenced acreage, primary county, additional counties, eco-region, nearest city/town, direction from town, miles from town, on hwy/rd, address line 1 or nearest intersection, line 2, city, state, zip, archived site	
16	The system shall provide Landowners with the ability to optionally map their Property boundary as part of the 'Add Property' workflow so that they can indicate to TPWD where their Property is for management purposes.		
17	The system shall provide TPWD Users and Agents the ability to create a Co-Op in TWIMS and add 2 or more Properties in TWIMS.		
18	The system shall provide TPWD Users the ability to add or remove member Properties for a Co-Op so that they can manage which Properties are receiving Technical Assistance and which ones are not.		
19	The system shall provide Agents with the ability to submit an application for the Conservation Option for the Co-Op.		
20	The system shall provide Agents with the ability to add or remove member Properties for a Co-Op so that they can manage which Properties are receiving Technical Assistance and which ones are not.		
21	The system shall provide Agents and Landowners the ability to start the Self-Serve Harvest Option application process for their Property so that the application contains the required Property association and details.		

22	The system shall provide Agents and Landowners the ability to indicate how many pastures / management units they will be applying for in the Harvest Option application, and enter some essential pieces of information for each so that the application contains the required Pasture details, including the Fencing status.			
23	The system shall provide Agents and Landowners the ability to save a draft of their Self-Serve Harvest Option application so that they can finish it later in cases where they need to pause and get more information, without starting all over again.			
24	The system shall provide Landowners to make a Request for Technical Assistance for their Property, which includes acknowledging RTA terms & conditions so that they can alert TPWD they would like to get wildlife management assistance for AND to grant TPWD the relevant access to their Property to provide these services.			
25	The system shall provide the ability for Agents and Landowners to choose one of their single Properties or a Co-Op they manage to begin an RTA Land Management Profile so that they are funneled into the appropriate application workflow.			
26	The system shall provide the ability for Agents and Landowners to map their (single) Property boundary if it is not already mapped in TWIMS so that they can help TPWD know where they need Technical assistance.			
27	The system shall provide the ability for Agents and Landowners to indicate that they are interested in enrolling in the Conservation Option this year as part of their RTA Land			

	Management Profile so that the TPWD Biologist reviewing their Property information can determine if they qualify and help them if they do not.			
28	The system shall inform Agents of the TPWD Biologist approval of their Co-Op's CO enrollment and the agent may acknowledge/accept the terms of the MLDP CO enrollment before the enrollment is finalized so that they can make an informed choice and commitment when enrolling.			
29	The system shall provide TPWD, Landowners, and Agents access to a page for editing Key Details about a Property so that basic information about the Property can be used for Property access, analysis, and technical assistance.			
30	The system shall provide TPWD, Landowners, and Agents a page for viewing Contacts associated with a specific Property so that they can see more detailed information about existing Property Contacts, and can access create/edit Contacts capabilities.			
31	The system shall provide Biologists the ability to approve or deny an application for a Property or Co-Op for CO enrollment and notify the Landowner/Agent.			
32	The system shall provide TPWD, Landowners, and Agents access to a mapping page to see and optionally create/edit the map for the Property boundary so that all customers and TPWD staff that need to know where the Property is and what the Property extent is can easily get to and interact with that data.			
33	The system shall provide TPWD, Landowners, and Agents access a mapping page to see and optionally			

	create/edit the map shapes for the Management Unit boundaries for a Property so that all customers and TPWD staff that need to know where management activity is taking place, where tags & permits have been issued, and what the historical and current deer density is in those areas where surveys are being done.			
34	The system shall provide TPWD, Landowners, and Agents the ability to access a MUs summary page with a map and list of all MUs on the Property so that they can quickly view key details about each MU and access specific data related to an MU.			
35	The system shall provide TPWD, Landowners, and Agents the option to view a Property Summary page for a Co-Op so that they can access all of the enrollments and permits issued at the Pooled Property level, as well as access related member-Property details.			
36	The system shall provide TPWD, Landowners, and Agents the ability to view/edit Key Details about a Co-Op so that they can make updates as needed.			
37	The system shall provide TPWD, Landowners, and Agents the ability to view the MLDP enrollments for a Co-Op so that they can see key details and print tags.			
38	The system, shall provide TPWD, Landowners, and Agents the ability to view/edit the Management Units for a Co-Op so that TPWD can make harvest recommendations for each, and the Agent can enter harvest report/completed treatments for each.			
39	The system shall provide TPWD access to a page for editing Key Details about a Person so that they can			

	maintain basic information about the Person.			
40	The system shall provide Customers with the ability to edit their own Account details so that they can update their email, password, contact details as needed.			
41	The system shall provide TPWD Users the ability to de-authorize Agents from Properties so that they can assist a Landowner who wants to remove an Agent's access to their Property.			
42	The system shall provide TPWD Users the ability to add or remove a TPWD or external contact for a Property so that they can manage the appropriate internal affiliations of people to customer Property.			
43	The system shall allow TPWD Users the ability to edit a Contact's details (name, phone, address, drivers' license) so that they can make updates as needed.			
44	The system shall provide TPWD Users the ability to search for a Property using tabular parameters so that they can find the Property record(s) they need to edit/manage.			
45	The system shall provide TPWD Users the ability to view a display of Property search results by list and on a map so that they can peruse the Properties from the search and access the full Property View from the search results list.			
46	The system shall provide TPWD Users the ability to search for a Person using tabular parameters so that they can find the Person record(s) they need to edit/manage.			
47	The system shall provide TPWD Users the ability to view a display of Person search results by list so that they can peruse the Person record(s) from their search and access			

	the full Person View from the search results list.			
48	The system shall provide Agents and Landowners access to in-context help on mapping when mapping Property and/or Management Unit from Property View pages so that they can understand how to create the mapped areas required.			
49	The system shall provide Agents and Landowners access to in-context help on how to map their Property boundary when "adding My Property" / completing an RTA Land Management Profile so that they can feel comfortable at mapping their Property boundary without the help of a TPWD Biologist.			
50	The system shall provide Users the ability to get help/guidance in using TWIMS so that they can figure out how to use the system if they are stuck.			
51	The system shall provide Users with the ability to login and perform account management across Old and New TWIMS so that both systems can be accessed and used efficiently.			
52	The system shall provide Users that have older data that is being impacted by the New TWIMS implementation to be updated and usable in the new system so that they do not have to re-enter existing information.			
53	The system shall limit Users to using only New TWIMS for Property and Person record creation, editing, management operations so that users cannot continue to set up "Sites" in Old TWIMS using a deprecated structure.			
54	The system shall provide the System Admins the capability to update the RMU density details per vegetation type			

	associated to the GIS layer that is used for intersecting and calculating tags for the MLD Harvest Option so that when the enrollment period begins, the tag issuance calculations are based on the most recent information.			
55	The system shall provide TPWD Users the capability to split a Property shape and its attendant record details into two Properties so that they can make updates when a Property is divided into two ownerships.			
56	The system shall provide the TPWD Users with the ability to merge two Property records and their shapes so that they can make updates when two Properties are joined into a single ownership.			
57	The system shall provide Agents with the ability to send an invitation to a Landowner to set up their Property profile and authorize them as their Agent (by entering their email address) so that they can be notified of this and they can then begin acting on their behalf.			
58	The system shall provide Agents and Landowners the ability to pick their Property boundary from a parcel layer if it's available so that they can map their Property quickly without manually digitizing the boundary.			
59	The system shall provide Users the ability to view data from Old TWIMS based on the Person it is associated to so that they can avoid redundant data creation.			
60	The system shall provide Users the ability to view Site data from Old TWIMS so that they can use it for making decisions and avoid redundant data creation.			
61	The system shall provide Biologists with the ability to view a list of properties they			

	are associated with so that they can easily manage their customers to provide assistance and make harvest recommendations for MLDP.			
62	The system shall provide Agents and Landowners the ability to map each pasture / management unit they are applying for the Harvest Option on, from the Property View so that the tag count can be calculated and displayed to them.			
63	The system shall provide Agents and Landowners the ability to review all of the details they entered for the Harvest Option application before they submit so that they can ensure that there are no mistakes, and to return to fix mistakes.			
64	The system shall provide Agents and Landowners the functionality to be informed of and acknowledge/accept the terms of the MLDP Self-Serve HO enrollment before the enrollment is finalized so that they can make an informed choice and commitment when enrolling.			
65	The system shall provide Agents and Landowners the ability to edit existing pasture details (name, acres, fencing type) before their Self-Serve HO application is submitted so that they can make corrections.			
66	The system shall provide Agents and Landowners with the ability to edit pasture map shape before their Self-Serve HO application is submitted so that they can make corrections.			
67	The system shall provide Agents and Landowners information by email (and enrollments widget) about the TPWD approval for CO enrollment, acknowledge enrollment terms, and accept/decline MLDP CO			

	enrollment before the enrollment is finalized so that they can make an informed choice and commitment when enrolling.			
68	The system shall provide Agents the ability to review and edit the list of member Properties for the selected Co-Op as the starting point for RTA Land Management Profile for this Co-Op so that they can verify its details and include it in the application.			
69	The system shall provide the TPWD, Landowners, and Agents the capability to view the member Properties for a Co-Op so that they can see which Properties are enrolled and link to the Property Views for each.			
70	The system shall provide Agents the ability to start the Self-Serve HO application for a group of contiguous low-fenced Properties that they own and/or manage so that they can begin the steps to enroll collaboratively to meet the minimum acreage requirements.			
71	The system shall provide TPWD, Landowners or Agents the ability to map each of the low-fenced Properties in the Self-Serve HO pooled group, if they are not already mapped, so that they can be used for calculating the number of tags.			
72	The system shall provide TPWD, Landowners and Agents to be informed if the mapped pooled Properties do not collectively meet the minimum acreage requirements so that they can make adjustments or cancel the application.			
73	The system shall provide TPWD, Agents and Landowners with the functionality to have the number of deer tags be automatically calculated based on the collective areas of the			

	Pooled Properties so that they can see how many tags will be issued with the Self-Serve Option.			
74	The system shall provide TPWD, Landowners, and Agents the functionality to review all of the details they entered for the Pooled Properties HO application and optionally make edits before they submit so that they can ensure that there are no mistakes and return to fix mistakes if they exist,			
75	The system shall provide Agents with the ability to accept the terms of the HO enrollment and submit the application so that they are aware of their obligations before enrolling so they can proceed with getting deer tags issued,			
76	The system shall provide TPWD, Landowners, and Agents with a view of a Summary Page on a Property view for any Property in TWIMS that includes at-a-glance details including a map with any mapped Property features so that they can quickly see the most important/frequently needed pieces of quick info for a selected Property,			
77	The system shall provide the Biologists for any given season to make deer Harvest Recommendations per Management Unit by manually entering in numbers for each so that they can advise the Landowner about how to best manage his/her land for deer,			
78	The system shall provide TPWD, Landowners, and Agents the ability to view current and previous seasons' Harvest Recommendations so that they can make good decisions about current and future management recommendations,			

79	The system shall provide the Agents and Landowners the functionality to accept or decline Harvest Recommendations made by TPWD for their Property's Management Units so they can formally acknowledge that they are aware of the assessment made by TPWD on behalf of best management practices,			
80	The system shall provide TPWD, Landowners and Agents with the ability to view all Contacts for a Co-Op so that they can make updates as needed,			
81	The system shall provide Agents and Landowners access to in-context help on mapping when applying for the Self-Serve HO so that they can understand how to create the mapped areas required,			
82	The system shall allow Users to view and link to Permit details from 'old TWIMS' when using new TWIMS so that I can benefit from seeing all Permits associated to a Property or a Person when using new TWIMS,			
83	The system shall provide Users with the ability to view Property (Co-Op, Management Units) and Person records created in new TWIMS from within Old TWIMS so that Permits, Reports, Consultation/Outreach operations are still functional,			
84	The system shall provide Biologists with the ability to make a Harvest Recommendation that is based on a percent of last year's (season's) recommendations for all the Properties in a Co-Op so that they can easily make a preliminary recommendation if this year's deer survey details have not yet been provided,			
85	The system shall provide Agents and Landowners with Deer Breeder release numbers			

	automatically added to the RMU-based tag issuance so that the tag issuance rates take that added population into consideration,			
86	The system shall provide System Admins with the ability to search for user Accounts in TWIMS so that they can deactivate accounts as needed,			
87	The system shall provide Agents and Landowners with the ability to easily see all of their Self-Serve HO enrollment details once enrolled, including a map, the tags issued per pasture / unit, and quick links to enter in Harvest details / Treatments per pasture/unit so that they can refer back to the area(s) they enrolled, the tags issued for each, and easily meet their reporting obligations,			
88	The system shall provide Agents and Landowners with the ability to print their MLDP HO Tags as a PDF so that they don't need to wait for tags to be mailed and they can use them in the field when harvesting deer,	They should also be able to reprint the tags.		
89	The system shall provide Agents and Landowners with the ability to print their MLDP CO Tags for their Single Property enrollment, as a PDF so that they don't need to wait for tags to be mailed and they can use them in the field when harvesting deer,	They should also be able to reprint the tags.		
90	The system shall provide Agents with the ability to print the MLDP CO Tags for their Co-Op's enrollment, as a PDF so that they don't need to wait for tags to be mailed and they can use them in the field when harvesting deer,	They should also be able to reprint the tags.		
91	The system shall provide TPWD staff, Landowners, and Agents with access to a page to see all MLDP enrollments for a specific Property so that they can be aware of the			

	commitments and tag issuances for this Property and so they can access the page to Print tags,,			
92	The system shall provide TPWD Users with a Summary Page on a Person Portal for any Person in TWIMS that includes at-a-glance details including a map with any mapped Property features so that they can quickly see the most important/frequently needed pieces of quick info for a selected Person,			
93	The system shall provide TPWD Users with access to a page to see all Properties & Pooled Properties that a person is affiliated with so that they can get a bird's eye view of their Properties and easily access any of those Properties,			
94	The system shall provide TPWD Users with access to a list of all MLDP enrollments associated to a person so that they can get a bird's eye view of their involvement with MLDP and easily jump to each of the enrollment details,			
95	The system shall provide Agents the ability to print the Deer tags issued for their Pooled Property HO enrollment so that they don't need to wait for tags to be mailed and they can use them in the field when harvesting deer,	They should also be able to reprint the tags.		
96	The system shall provide Agents and Landowners the functionality to easily see all of their Self-Serve HO enrollment details once enrolled, including a map, the tags issued to the Pool, and quick links to enter in Harvest details / Treatments per Management Unit so that they can refer back to the area(s) they enrolled, the tags issued for each, and easily meet my reporting obligations,			
97	The system shall provide Biologists with the ability to			

	upload files (.pdf, Word, Excel, photos) to a property they are working with so they can provide the Landowner access to harvest letters, wildlife management plans, recommendations, photos of habitat work, and other information for managing wildlife and habitats on the property, and to maintain electronic of record of documents associated with the property,		
98	The system shall provide Customers with the ability to receive a scheduled e-blast on habitat and wildlife management through TWIMS so that they can learn about habitat management and wildlife conservation.		
99	The system shall provide System Admins with the ability to merge duplicated Person records.		
101	The system shall provide reports, including but not limited to existing reports.	Current reports: (1) Compare Data Report allows Landowners and Agents to analyze harvest data from their site(s) and compare it to countywide, statewide, or ecoregion-wide harvest data. (2) Activity report provides quarterly summaries of WMPs, Recommendations, and Outreach activities by biologist. (3) LBB Report provides a summary and details of key measures by region and fiscal quarter. (4) MLDP/ADCP Report provides a summary of Managed Lands Deer Permit and Antlerless Deer and		

		Spike Control Permit issuance and use. (5) Quarterly Summary provides summarized reporting of WMPs and Recommendations by region and fiscal quarter. (6) Permit Overview provides the number of permitted sites, number of permits/tags and number of acres by permit type and region.		